

511, 809

Rec'd PCT/PTC 19 OCT 2004

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
6 November 2003 (06.11.2003)

PCT

(10) International Publication Number  
**WO 03/092034 A1**(51) International Patent Classification<sup>7</sup>: **H01J 29/28,**  
29/32Aachen (DE). OPITZ, Joachim [DE/DE]; c/o Philips  
Intellectual Property & Standards GmbH, Weiss hausstr. 2,  
D-52066 Aachen (DE).(21) International Application Number: **PCT/IB03/01513**(74) Agent: MEYER, Michael; Philips Intellectual Property &  
Standards GmbH, Weiss hausstr. 2, D-52066 Aachen (DE).

(22) International Filing Date: 16 April 2003 (16.04.2003)

(25) Filing Language: English

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:  
102 17 981.6 23 April 2002 (23.04.2002) DE(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).(71) Applicant (for DE only): **PHILIPS INTELLECTUAL  
PROPERTY & STANDARDS GMBH [DE/DE]**; Stein-  
damm 94, D- 20099 Hamburg (DE).**Published:**

— with international search report

(71) Applicant (for all designated States except DE, US):  
**KONINKLIJKE PHILIPS ELECTRONICS N.V.  
[NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven  
(NL).For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BECHTEL,  
Helmut [DE/DE]**; c/o Philips Intellectual Property &  
Standards GmbH, Weiss hausstr. 2, D-52066 Aachen (DE).  
**BUSSELT, Wolfgang [DE/DE]**; c/o Philips Intellectual  
Property & Standards GmbH, Weiss hausstr. 2, D-52066

WO 03/092034 A1

(54) Title: COLOR CATHODE RAY TUBE HAVING UV-REFLECTIVE COATING(57) Abstract: A color cathode ray tube, that is fitted with a color screen that comprises a glass face panel, a phosphor coating and a UV-reflective layer that is arranged between the glass face panel and the phosphor coating, the UV-reflective layer containing colloid particles of an oxygen-containing material, having a grain size d < 400 nm.